

A SAFETY UPDATE...

From the Federal Highway Administration – New Jersey Division Office



Volume 5

Fall 2005

Spotlight on Safety

The South Jersey Transportation Planning Organization (SJTPO) received a 2005 National Safety Award for their Local Road Safety Audit Program. The SJTPO developed its safety audit program to reduce the number of crashes occurring on two-lane rural roads. The selection of roads for audits is both data-driven and proactive. An interdisciplinary team conducts the audits and considers crash histories and significant crash potential when identifying low cost, quick turnaround safety improvements that are expected to yield immediate safety benefits.

**Please join us in congratulating SJTPO
for their important contribution to highway safety in New Jersey.**

For more information on this, as well as the other award winning safety initiatives, visit www.roadwaysafetyawards.com.

Speed Enforcement Cameras

One of the newest innovations to help drivers conform to posted speeds and increase safety on roads is the automated speed enforcement camera.

In August 2004, Charlotte, NC conducted a pilot study to determine if automated speed enforcement cameras provide significant safety benefits to the driving public.

The study results indicate that speed enforcement cameras appear to have a positive effect on collision reduction and speed conformity. More specifically, the percentage of vehicles exceeding the speed limit by 10 MPH or more decreased significantly by an average of 55%, while a 11-12% reduction in total collisions was attributed to automated speed enforcement cameras.

For the entire report, visit <http://www.itre.ncsu.edu/ITREmain/download/SpeedEnforcementFinalRpt.pdf>



A new program called *Driving Skills for Life* has been unveiled by Ford Motor Company, in conjunction with the Governors Highway Safety Association (GHSA) and an advisory panel of the nation's top highway safety experts. The campaign works to build strong national recognition and interest in the growing problem of teen drivers.

The *Driving Skills for Life* campaign focuses on four important skills that experts feel have the most promise of preventing crashes and subsequent injuries and fatalities. The four emphasis areas are:

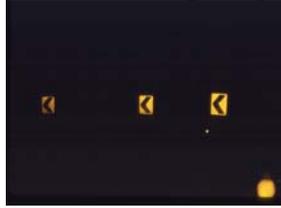
- **Hazard recognition**
- **Vehicle handling**
- **Space management**
- **Speed management**

Visit www.drivingskillsforlife.com, which provides an on-line learning experience where students are given instruction on the four main skills, take a quiz and become eligible to win a prize.

Please share this with educators and parents throughout your community!

Sign Retroreflectivity

Since the first edition of the MUTCD in 1935, the manual has required signs to be visible at night by using reflective elements in the sign face. The 2003 Edition of the MUTCD continues to address the visibility of signs. Sign retroreflectivity is specifically addressed in Section 2A.08, *Retroreflectivity and Illumination*, which states, regulatory, warning, and guide signs shall be retroreflective or illuminated to show the same shape and similar color by day and night, unless specifically stated otherwise.



However, not until July 2004, when the Notice of Proposed Amendment to the MUTCD was published in the Federal Register, have the methods to assess retroreflectivity levels been established. These assessment methods are necessary to address the degradation of sign retroreflectivity over time. The comment period closed in February 2005. FHWA reviewed all the comments to the docket and has made a decision to pursue a Supplemental Notice of Proposed Amendment (SNPA). The rulemaking is now being reviewed by offices in the US Department of Transportation. The SNPA is targeted to be published in Spring 2006. When published, another comment period will be provided to allow review and comment on the new proposal. After those comments are reviewed and any appropriate changes are made, it is anticipated that a Final Rule would follow. No target time has been established for the Final Rule, as it will depend on the comments received on the SNPA.

FHWA has developed a new Retroreflective Sheeting Identification Guide. For a printed, laminated copy email nj.safety@fhwa.dot.gov.

FHWA Retroreflective Sheeting Identification Guide - September 2005											
This table lists the retroreflectivity characteristics of sheeting types used in the MUTCD. The table is intended to be used as a reference only. It does not provide a method for determining the retroreflectivity of sheeting. For more information on retroreflectivity, see the MUTCD, Section 2A.08, and the FHWA website at http://www.fhwa.dot.gov/retro . The table can be found in the Appendix of the MUTCD.											
Sheeting Type	Material	Color	Shape	Size	Thickness	Weight	Surface	Backings	Adhesive	Application	Notes
1	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
2	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
3	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
4	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
5	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
6	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
7	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
8	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
9	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
10	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
11	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
12	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
13	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
14	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
15	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
16	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
17	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
18	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
19	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
20	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
21	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
22	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
23	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
24	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
25	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
26	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
27	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
28	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
29	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
30	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
31	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
32	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
33	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
34	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
35	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
36	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
37	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
38	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
39	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
40	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
41	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
42	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
43	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
44	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
45	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
46	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
47	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
48	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
49	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
50	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
51	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
52	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
53	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
54	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
55	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
56	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
57	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
58	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
59	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
60	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
61	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
62	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
63	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
64	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
65	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
66	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
67	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
68	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
69	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
70	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
71	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
72	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
73	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
74	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
75	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
76	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
77	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
78	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
79	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
80	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
81	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
82	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
83	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
84	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
85	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
86	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
87	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
88	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
89	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
90	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
91	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
92	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
93	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
94	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
95	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
96	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
97	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
98	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
99	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None
100	Aluminum	White	Rectangular	36" x 48"	0.015"	1.5 lb/sq yd	Smooth	None	None	None	None

Additional information on Retroreflectivity can be found at <http://www.fhwa.dot.gov/retro>. The new Sheeting ID Guide is also available here.

Training

FHWA, NJDOT, and Rutgers recently hosted a Traffic Engineering & Safety Forum. We would like to continue this and other training opportunities in the future. Please let us know about your training needs by emailing nj.safety@fhwa.dot.gov.

Countermeasures That Work: A Highway Safety Countermeasure Guide

The guide is a basic reference to assist you in selecting effective science based traffic safety countermeasures for major highway safety problem areas.

The guide:

- Describes major strategies and countermeasures
- Summarizes their use, effectiveness, costs and implementation time; and
- Provides references to the most important research summaries and individual studies.

The guide contains a chapter for each problem area.

- Alcohol-Impaired Driving
- Safety Belts
- Aggressive Driving and Speeding
- Distracted and Fatigued Driving
- Motorcycle Safety
- Young Drivers
- Older Drivers

Available online at www.nhtsa.dot.gov



Buckle Up Every Ride!

Have a Safe and Happy Holiday!

Don't Drink & Drive!



To be added to the distribution list for future editions of this newsletter, please email nj.safety@fhwa.dot.gov.

